

no

CHICAGO

Orthopedic Institute,

FOR THE

Surgical and Mechanical Treatment of the Deformities
and Deficiencies of the Human Body,

SUCH AS

CURVATURE OF THE SPINE, HIP DISEASES, CLUB-FOOT, AFFECTIONS
OF THE JOINTS, CONTRACTIONS, PARALYSIS, Etc., Etc.



135 Clark Street, Chicago.

DR. HIATT & LE ROY,

PROPRIETORS.

✓

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ORTHOPEDIC INSTITUTE,

UNIVERSITY OF CHICAGO LIBRARY

FOR THE
SURGICAL AND MECHANICAL TREATMENT
OF THE

Deformities and Deficiencies of the Human Body.

An institution like this has long been a desideratum in this city and the Northwest; a place where young children and youths can have the scientific application of apparatus adapted to the cure of incipient or fully developed deformities of the different parts of the body before the tissues have reached that degree of hardness which places them beyond the reach of remedy. By efficient and timely treatment nearly all of the following class of cases can be rescued from life-long suffering and deformity—to neglect such cases is a positive cruelty on the part of parents and guardians—viz.:

Club-Foot, Knock-Knee, Bow-Legs; the different kinds of Spinal Curvature, Hip Diseases, Deformities of the Head and Neck, partial Paralysis of the upper or lower extremities, Weak Ankles, and Weakness of other joints; Anchylosis of the Knee Joint, etc. A few cuts, from photographs, representing some of these affections before and after treatment by mechanical appliances, may be found in the following pages, which will more satisfactorily illustrate what has been done, and may be done, in such cases, than whole volumes written upon the subject.

FIG. 1.



Double inverted Club-foot.
(From Photograph.)

FIG. 2.



Result after division and mechanical treatment.
(From Photograph.)

FIG. 3.



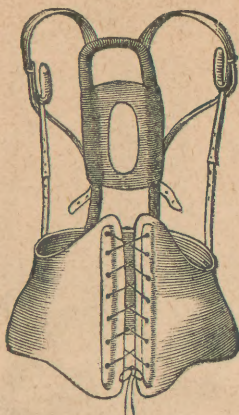
Double inverted Club-foot and Club-hand.
(From Photograph.)

FIG. 4.



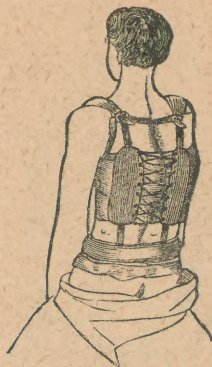
Result after division of tendons and fascia.
Apparatus applied. (From Photograph.)

FIG. 5.



Apparatus for Antero-Posterior or Angular Spinal Curvature, for children and adult male patients.

FIG. 6.



Application of Apparatus.
We have other forms of apparatus, adapted to lateral curvature and female patients.

FIG. 7.



False Ankylosis of Knee Joint.
(From Photograph.)

FIG. 8.



Result after forcibly breaking up adhesion, and division of hamstring and tendons. With apparatus. (From Photograph.)

FIG. 9.



Knock-knee. (From Photograph.)

FIG. 11.



Partial paralysis of both limbs, with
contraction of legs and feet, and
malformation of tarsel bones.
(From Photograph.)

FIG. 10.



Result of mechanical treatment.
(From Photograph.)

FIG. 12.



Result after division of tendons, with
Apparatus applied.
(From Photograph.)

FIG. 13.



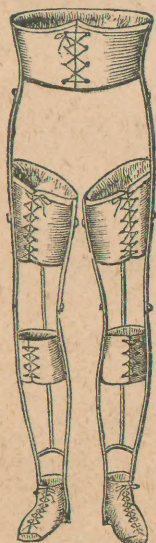
Bow Legs.
(From Photograph.)

FIG. 14.



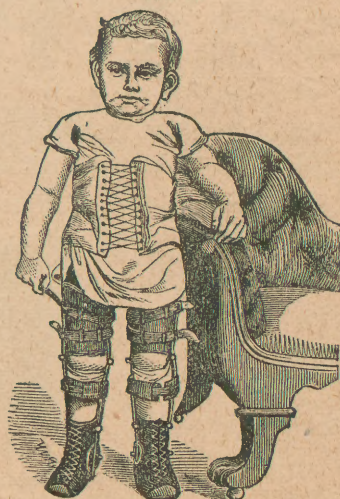
Result of Mechanical Treatment.
(From Photograph.)

FIG. 15.



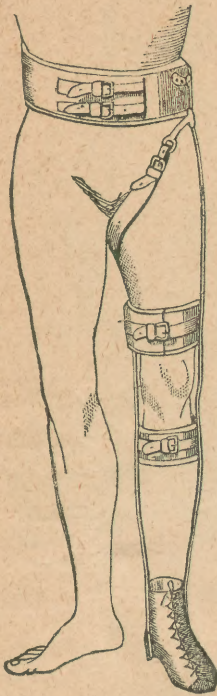
Apparatus for Paralysis of both limbs,
with pelvic band.

FIG. 16.



Paralysis with Apparatus.
(From Photograph.)

FIG. 17.



Extension apparatus for Cox-
algia, and its mode of appli-
cation. Devised by Prof. J.
Pancost.

FIG. 18.

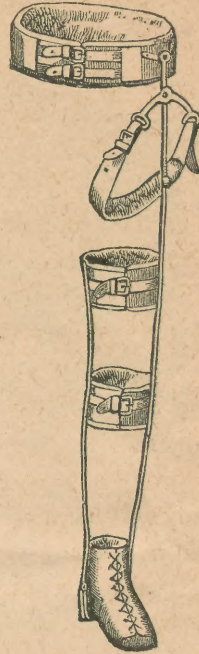
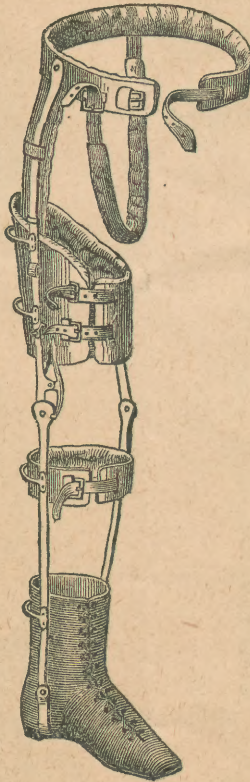


FIG. 19.



Apparatus for dislocation of Hip Joint, ununited
fracture of the neck of the Femur, and resec-
tion of the upper part of the Thigh.

SHORTENED LIMBS.

We would here call especial attention to our apparatus for the extension of shortened limbs, from whatever cause the shortening may have been produced.

Hundreds of persons may be seen on the streets, and in the country, with a shortening of the lower limb of from two to seven or eight inches, with all manner of contrivances to eke out the deficiency, with very ill success, subjecting the individual to much suffering and constant embarrassment. Now we have a contrivance that overcomes this deformity entirely, extending the limb to its proper length, and appending an artificial foot, which, when dressed with shoe or boot, looks perfectly natural, and the apparatus connecting with the limb is all hid by the lady's dress, or the gentleman's pantaloons, as the case may be. All unnaturalness of movement is completely overcome, excepting what is referable to the hip-joint. No one seeing the individual would suspect any shortening of the limb.

SURGICAL INSTRUMENTS.

We keep for sale all of the most approved make of Surgical Instruments at manufacturers' prices. Our facilities for filling orders in this department are unsurpassed by any parties in this city.

TRUSSES, ETC.

We manufacture and deal in all kinds of Abdominal and Uterine Supporters, Trusses, Crutches, Shoulder and Body Braces, Suspensories, Webbing, etc., etc.

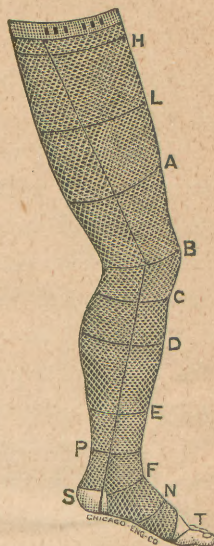
SILK ELASTICS.

Our Elastic Stockings, Leggings, Knee-Caps, Anklets, etc., are manufactured to order of the best material. We can have them made to fit any case, however unusual the size or shape may be. Send measure as indicated by accompanying cut. We can send them anywhere by mail.

When it is impracticable for parties to come to us for apparatus of any kind, we can make the same from measurement carefully taken by a physician or other competent person.

PATIENTS

Coming to us for treatment will be properly provided for, and their conditions thoroughly investigated and carefully treated, by A. H. Hiatt, M. D., who gives personal attention to every case, assisted, when necessary, by the ablest surgical counsel in the city, the advantage of the patient using mechanical appliances under the immediate supervision and direction of the experienced and skilled surgeon, must be apparent to every one. The changing phases of the case requiring modifications in the treatment, which none but the careful physician would discern. No pains will be spared by us to give our patients all the benefits that the latest advances in science afford.



ARTIFICIAL LIMBS.

We manufacture the latest and most improved Artificial Limbs. We have on our list of limbs for sale over twenty different kinds, principally Eastern patents, any of which can be had of us for less than manufacturer's prices, and a trip to New York or Philadelphia be avoided, which would be half the cost of a limb. The kind of limbs made by other parties in this city can be purchased of us for \$50. Any one coming to us for a limb has the privilege of putting the leg on, and walking with it, thus satisfying himself beyond a doubt of its perfect adaptation to his case before any pay on the same is required. The Leg we make a specialty is "LE ROY'S NEW PATENT LEG." The special claims of this limb over all others are the following:

1st. Its superior durability. The points of weakness in other limbs being carefully guarded against in this. Particularly at the ankle joint and the heel Cord and Spring. Also the knee joint, in amputation below the knee, is so made as to admit of tightening as the use of it may require, and thus the rattling so annoying to the wearer be avoided; and in thigh amputation, the knee joint is so constructed as to give it firmness, allowing the wearer to put his entire weight upon the limb with the utmost confidence.

2d. Its life-like motion. The Springs being so evenly balanced in the flexion and extension of the joints that the motion is so easy and natural as to place the lameness of the wearer in many instances beyond detection. All that awkwardness and flapping of the foot, so common to artificial limbs, is entirely avoided.

3d. Its simplicity of structure. Being put together in sections it can readily be taken apart by the wearer and cleaned, thus preventing all friction and squeaking, and increasing the wear of the limb one half or more.

The limb is fitted so that the weight of the body is diffused over the outer surface of the stump, in all cases the end of the stump being free from weight and pressure; oblong fenestræ give ventilation and allow the secretions of the stump to escape. We regard this limb as the very best now offered to the American public. We warrant it for five years.

DR. BLY'S PATENT LIMBS.

We are the only Agents in this city and the Northwest for Dr. Bly's Patent Limbs, which we manufacture of material furnished us by Dr. Bly from his establishment in Rochester, and which we warrant for five years.

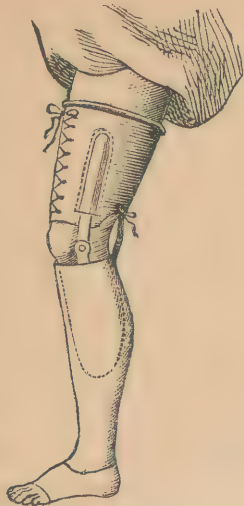
SOLDIERS.

We are the appointed Agents, by the Surgeon-General of the United States, to supply soldiers with limbs and apparatus. See the law on the subject contained in this pamphlet.

REPAIRS.

Persons who are wearing Artificial Limbs (no matter whose make they are) and want repairing done, will do well to call on us, or send the limb to our office; we will repair or remodel it, and not keep it in the shop one moment longer than is necessary.

FIG. 20.



External appearance of our Leg for amputation below knee, with lacer.

FIG. 21.



External appearance of our Leg.
Thigh amputation.

FIG. 23.



FIG. 22.



We have made Legs for eight double amputations during the past year.
The parties all walking well, and some of them without a cane.

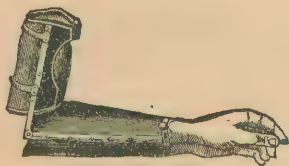
ARTIFICIAL ARMS.

We call special attention to our Artificial Arms, as being the finest specimen of mechanical skill to supplement the loss of so important a member, that can now be made. This is a triumph of art that needs but to be seen to be appreciated by the hundreds who are suffering the embarrassments and inconveniences of this great loss.

It performs many of the important movements of the natural arm; is a perfect imitation of it, and will be found to be of great use to the wearer. It can be adapted to any length of stump, and is very light and durable. It is so made that the hand can be taken off at the wrist, and a fork, knife, hook, or other instrument, inserted for use. We can furnish Eastern Arms at manufacturers' prices.

We invite every one needing an Arm to be sure and examine ours before purchasing elsewhere, or deciding to go without one.

FIG. 24.



For amputation below elbow.

FIG. 25.



For amputation above elbow.

MEMORANDUM RELATIVE TO ARTIFICIAL LIMBS.

WAR DEPARTMENT—SURGEON GENERAL'S OFFICE,

WASHINGTON, D. C., *February 1, 1873.*

[PUBLIC—No. 86.]

AN ACT to provide for furnishing artificial limbs to disabled soldiers.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That every soldier who was disabled during the late war for the suppression of the rebellion, and who was furnished by the War Department with an artificial limb, or apparatus for resection, shall be entitled to receive a new limb or apparatus as soon after the passage of this act as the same can be *practically* [practicably] furnished, and at the expiration of every five years thereafter, under such regulations as may be prescribed by the Surgeon General of the army: *Provided*, That the soldier may, if he so elect, receive, instead of said limb or apparatus, the money value thereof, at the following rates, viz.: For artificial legs, seventy-five dollars; for arms, fifty dollars; for feet, fifty dollars; for apparatus for resection, fifty dollars.

SEC. 2. *And be it further enacted*, That the Surgeon General shall certify to the Commissioner of Pensions a list of all soldiers who have elected to receive money commutation instead of limbs or apparatus, with the amount due to each, and the Commissioner of Pensions shall cause the same to be paid to such soldiers in the same manner as pensions are now or hereafter may be paid.

SEC. 3. *And be it further enacted*, That every soldier who lost a limb during the late war, but from the nature of his injury was not able to use an artificial limb, and consequently received none from the Government, shall be entitled to the benefits of this act and shall receive money commutation as hereinbefore provided.

Approved June 17, 1870.

PAR. 1. The acts, approved June 30, 1870, and June 8, 1872, extend the benefits of the previous act to "all officers, non-commissioned officers, enlisted and hired men of the land and naval forces of the United States, who, in the line of their duty as such, shall have lost limbs, or sustained bodily injuries depriving them of the use of any of their limbs, and allow transportation to and from the place where the limb is to be fitted.

PAR. 2. The act, approved July 11, 1870, devolves the expense of furnishing these limbs upon the Pension appropriations.

PAR. 3. Applications should be made by officers of the army and soldiers direct to the Surgeon General, from whose office the necessary blanks will be furnished on request; officers of the navy and seamen should apply for blanks to the Chief of the Bureau of Medicine and Surgery, Navy Department, Washington.

PAR. 4. Upon applications for limbs in kind, orders will be given by the Surgeon General, upon any manufacturer selected, who shall have filed a bond in the sum of Five Thousand Dollars, with two sureties, to furnish good and satisfactory limbs, without extra charge to the soldier, and make good for five years all defects of material or workmanship without additional charge, subject in all cases to the inspection of such persons as the Surgeon General may designate.

PAR. 5. Orders for transportation will also be furnished upon a written request addressed to the Surgeon General, giving the nearest railway station and the stage-line, if any, necessary in reaching a railway; but should not be applied for until the limb is nearly complete and ready to be fitted.

PAR. 6. The limb or apparatus will be delivered in the presence of the Board of Pension Examining Surgeons at the place of fitting, who will judge whether it is satisfactory, and certify to the accounts of the manufacturer.

PAR. 7. Each person on receiving actual transportation will sign and deliver up his transportation order to the authorized agent of the railroad, or other carrier.

PAR. 8. Applications for commutation will be certified by the Surgeon General, and transmitted to the Commissioner of Pensions, for payment through the local pension agents. The application should be certified by the pension agent, and have all its blanks distinctly filled out before being sent to this Office.

PAR. 9. The five years mentioned in the act of June 17, 1870, is reckoned from the date of filing the first application under that act.

PAR. 10. Those who received orders for artificial limbs dated on or before June 16, 1870, are held entitled to have those orders filled, and also to claim under the recent acts. Orders on and after June 17, 1870, will be reckoned under the act of that date, and no person will be held entitled to

receive two orders or their equivalents for the same injury, within the period of five years prescribed by law.

PAR. 11. An affidavit is of no validity unless taken before a notary public or clerk of court having an official seal, or is certified under the seal of a court of record.

PAR. 12. Commutation can only be allowed in cases of loss of a *limb* or loss of use of a *limb*.

PAR. 13. The forms and instructions furnished by this Office are so full and carefully prepared that no attorney or agent is believed to be necessary in any case.

J. K. BARNES,

Surgeon General U. S. Army.

The following letter will show that we are Government Agents to supply soldiers with limbs and apparatus :

WAR DEPARTMENT—SURGEON GENERAL'S OFFICE,

WASHINGTON, D. C., *January 7, 1874.*

DR. HIATT & LE ROY,

125 Clark street, Chicago.

Gentlemen : In reply to yours of the 3d inst., I am instructed by the Surgeon General to inform you that your bond as manufacturers of artificial limbs, on Government account, was received, accepted and placed on file, December 3, 1873.

Very respectfully,

Your obedient servant,

I. N. BILLINGS,

Assistant Surgeon U. S. Army.

NEW ATTACHMENT FOR LEG.

We invite attention to our new method of attaching limbs, where the amputation is below the knee. By this means the ordinary Lacer is dispensed with, thus avoiding the compression of the limb, and consequent wasting of the muscles, which it induces, as well as dispensing with the weight and inconvenience of the Artificial knee joint.

This is without any question the finest improvement that has been made in the adaptation of Artificial Limbs to amputation below the knee.



CERTIFICATES.

In preference to appending a list of certificates, we will refer persons desiring such testimony to those wearing our limbs and apparatus, to whom they can write and obtain direct evidence. Parties desiring Treatment, or wanting Limbs, Apparatus, Information, etc., should call at our office, or address,

DR. HIATT & LE ROY,

125 Clark Street,

CHICAGO.

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 145 \\
 25 \\
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 170
 \end{array}$$

J. E. Brown & Co.
 117 2nd Street
 City